

FIGURE I

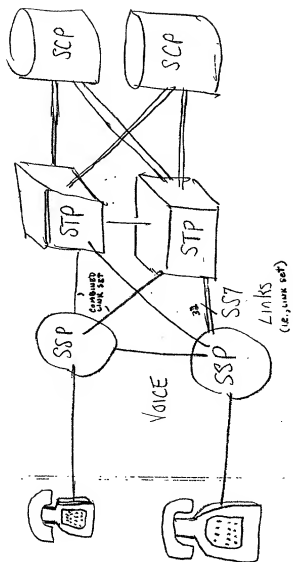


FIGURE 2

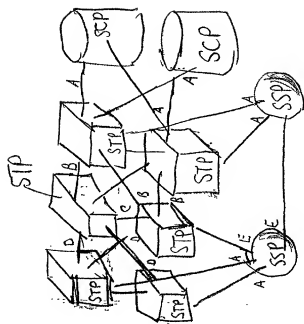


FIGURE 3

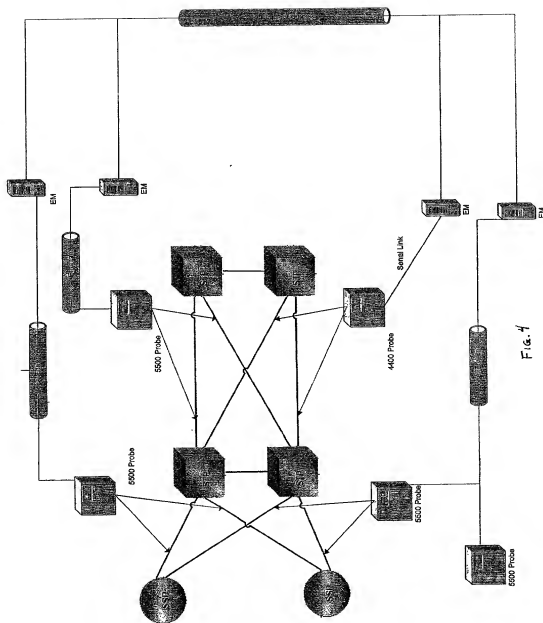
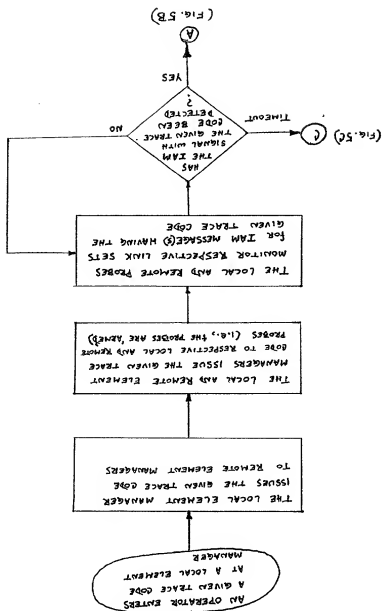


Fig. 4

Fig. 5A



(A) (FROM FIG. 5A)

THE PROBE THAT DETECTS THE IAM MESSAGE, HAVING THE GIVEN TRACE CODE, ISSUES A TRIGGER TO A RESPECTIVE ELEMENT MANAGER. THE PROBE TIME STAMPS THE TRIGGER.

THE RESPECTIVE ELEMENT MANAGER RECEIVES THE TRIGGER WITH THE TIME STAMP FROM THE DETECTING PROBE.

THE RESPECTIVE ELEMENT MANAGER BROADCASTS THE TRIGGER WITH THE TIME STAMP TO THE LOCAL AND REMOTE ELEMENT MANAGERS.

THE LOCAL AND REMOTE ELEMENT MANAGERS, IN TURN, BROADCAST THE TRIGGER WITH THE TIME STAMP TO RESPECTIVE PROBES.

ALL PROBES MONITORING THE COMBINED LINK SETS SCAN MESSAGES IN RESPECTIVE 2 SECOND BUFFERS FOR SAVING MESSAGES (i) HAVING OPC, DTC, OR CIC CODES CORRESPONDING TO THE TRACE CODE, AND (ii) HAVING RESPECTIVE TIME STAMPS FALLING WITHIN A 100MSEC WINDOW OF TIME FOLLOWING THE TRIGGER TIME STAMP.

(B) (FIG. 5C)

FIG. 5B

EXAMPLE OF SIGNALING MESSAGE:  
ISUP MESSAGE  
= ISDN USER PART  
MESSAGE USED TO SET-UP,  
MANAGE, AND RELEASE  
VOICE CHANNEL TRUNKS.

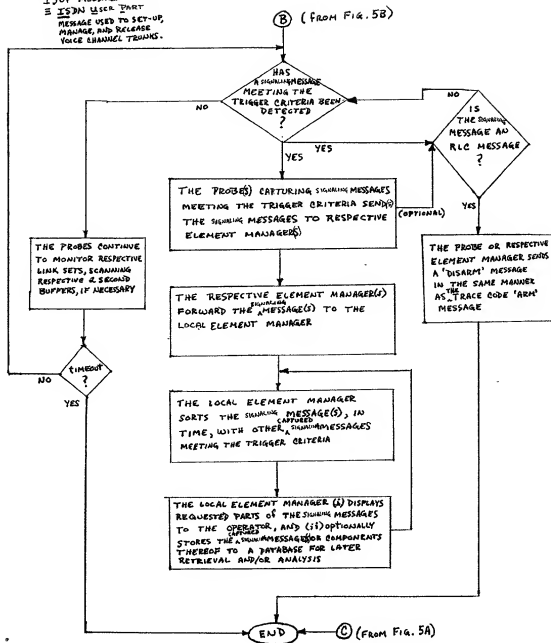


Fig. 5c